

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/002664

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C01B33/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, EPO-Internal, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 08, 5 August 2002 (2002-08-05) & JP 2002 114510 A (TOKUYAMA CORP), 16 April 2002 (2002-04-16) cited in the application abstract	1-13
A	EP 0 637 616 A (DEGUSSA) 8 February 1995 (1995-02-08) claim 2	1-13
A	EP 1 182 168 A (DEGUSSA) 27 February 2002 (2002-02-27) claims 1-4	1-13
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

12 May 2004

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19/05/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 5 976 480 A (KLEINSCHMIT PETER ET AL) 2 November 1999 (1999-11-02) claims 1-3</p> <p style="text-align: center;">-----</p>	1-13

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/002664

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 2002114510	A	16-04-2002	NONE	
EP 0637616	A	08-02-1995	US 6193795 B1	27-02-2001
			DE 69405337 D1	09-10-1997
			DE 69405337 T2	29-01-1998
			EP 0637616 A1	08-02-1995
			JP 3020082 B2	15-03-2000
			JP 7165980 A	27-06-1995
EP 1182168	A	27-02-2002	EP 1182167 A1	27-02-2002
			EP 1186573 A1	13-03-2002
			EP 1182168 A1	27-02-2002
			JP 2002145610 A	22-05-2002
			US 2002044903 A1	18-04-2002
US 5976480	A	02-11-1999	DE 19530339 A1	20-02-1997
			DE 59601291 D1	25-03-1999
			EP 0759410 A1	26-02-1997
			JP 3234160 B2	04-12-2001
			JP 9142829 A	03-06-1997
			KR 232438 B1	01-12-1999